

ABSTRACT OF THE DISCLOSURE

A cooling system is configured to supply individually metered amounts of cooling fluid to heat generating components, e.g., processors, micro-controllers, high speed video cards, disk drives, semi-conductor devices, and the like, of an electronic system. The cooling system
5 includes at least one variable speed fan, e.g., blower, configured to supply fluid through a centralized plenum and thereafter through a plurality of nozzles to the components of the electronic system. Each of the nozzles contains a valve to control the amount of fluid flow through the each of the nozzles. A controller is provided to control the operation of the variable speed fan and the operation of each of the valves is also controlled by a controller. By
10 substantially controlling the amount of cooling fluid supplied to each of the components based upon the amount of heat generated by each component, the cooling system of the present invention may operate in a more efficient manner, thereby requiring substantially less energy than conventional cooling systems.